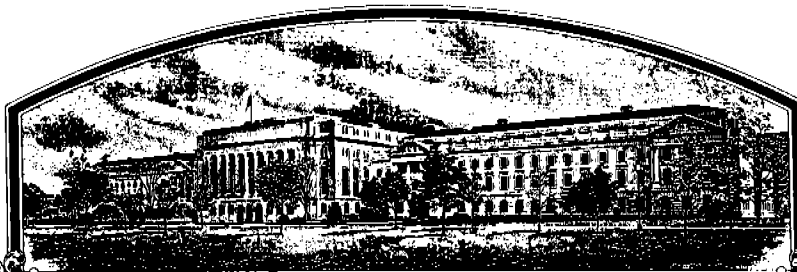


No.



7700029

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Colorado Agricultural Experiment Station

Whereas, THERE HAS BEEN PRESENTED TO THE
Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF *seventeen* YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. THE UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS SEED OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS PROVIDED BY THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

WHEAT

'Vona'

In Testimony Whereof, I have hereunto set
my hand and caused the seal of the Plant
Variety Protection Office to be affixed
at the City of Washington
this 16th day of May in
the year of our Lord one thousand nine
hundred and seventy-seven

Attest:

[Signature]
Commissioner
Plant Variety Protection Office
Grain Division
Agricultural Marketing Service

[Signature]
Secretary of Agriculture

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: See Reverse.

1. VARIETY NAME OR TEMPORARY DESIGNATION VONA	2. KIND NAME Hard Red Winter Wheat	FOR OFFICIAL USE ONLY			
3. GENUS AND SPECIES NAME <u>Triticium aestivum</u>	4. FAMILY NAME (Botanical) Gramineae	PV NUMBER 7700029	FILING DATE 1-25-77		
6. NAME OF APPLICANT(S) Colorado Agricultural Experiment Station	5. DATE OF DETERMINATION September 1, 1976	FEE RECEIVED. \$ 250.00	TIME 2:30 P.M.		
		\$ 250.00	BALANCE DUE \$		
		\$ 250.00	\$		
9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: (Corporation, partnership, association, etc.) Experiment Station	7. ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code) Colorado State University Ft. Collins, CO 80523	8. TELEPHONE AREA CODE AND NUMBER (303) 491-5371			
10. STATE OF INCORPORATION		11. DATE OF INCORPORATION			
12. Name and mailing address of applicant representative(s), if any, to serve in this application and receive all papers: James R. Welsh Agronomy Department Colorado State University Ft. Collins, CO 80523 (303) 491-6551					
13. CHECK BOX BELOW FOR EACH ATTACHMENT SUBMITTED:					
<input checked="" type="checkbox"/> 13A. Exhibit A, Origin and Breeding History of the Variety (See Section 52 of the Plant Variety Protection Act.)					
<input checked="" type="checkbox"/> 13B. Exhibit B, Botanical Description of the Variety					
<input checked="" type="checkbox"/> 13C. Exhibit C, Objective Description of the Variety					
<input checked="" type="checkbox"/> 13D. Exhibit D, Data Indicative of Novelty					
<input checked="" type="checkbox"/> 13E. Exhibit E, Statement of the Basis of Applicant's Ownership					
14A. Does the applicant(s) specify that seed of this variety be sold by variety name only as a class of certified seed? (See Section 83(a). (If "Yes," answer 14B and 14C below.) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO					
14B. Does the applicant(s) specify that this variety be limited as to number of generations? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	14C. If "Yes," to 14B, how many generations of production beyond breeder seed? <input checked="" type="checkbox"/> FOUNDATION <input checked="" type="checkbox"/> REGISTERED <input checked="" type="checkbox"/> CERTIFIED				

The applicant declares that a viable sample of basic seed of this variety will be deposited upon request before issuance of a certificate and will be replenished periodically in accordance with such regulations as may be applicable.

The undersigned applicant(s) of this sexually-reproduced novel plant variety believes that the variety is distinct, uniform, and stable as required in Section 41 and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.

Applicant is informed that false representation herein can jeopardize protection and result in penalties.

12-2-76

(DATE)

James R. Welsh

(SIGNATURE OF APPLICANT)

00001

(DATE)

(SIGNATURE OF APPLICANT)

EXHIBIT A

Genealogy - Vona, CI 17441, is a selection of the cross

II 21183/CO652363//Lancer/KS62136.

II 21183: Andes 64A/Sonora 64//Tacuari V-722-466-67

II 21183-7M-2Y-4M-1Y.

CO652363: Warrior 2/Kenya 58/Newthatch/2 (Cheyenne/Tenmark/
Mediterranean/Hope) 3/Parker.

KS62136: Norin 16/CI 12500//Kaw.

The breeding method used was a modified pedigree system. The original cross of II 21183/CO652363 was made on June 23, 1967. The second cross with Lancer/KS62136 was made on January 10, 1968. The F_1 was increased in the greenhouse in 1968 and in 1969 the F_2 space planted population was grown in the field at Fort Collins. Individual plant selection was propagated into the F_3 in 1970. The F_3 row selected was bulked but no head selections were taken. In 1971, seed from the bulked row was entered in a F_4 yield trial. Head selections were made in the F_4 . In 1972, the F_5 head row labeled CO725049 was cut in bulk and advanced to the F_6 yield nursery in 1973. Approximately 250 heads were selected to propagate breeders seed in 1974. Also in 1974, CO725049 was entered in extensive yield testing in Colorado. It was entered in the Southern Regional Performance nursery in 1975 and 1976. Approximately 250 pounds of breeders seed were produced in 1974. CO725049 was entered in the large scale milling and baking trials and evaluated by the Hard Wheat Quality Advisory Committee in January 1976 and has been resubmitted for evaluation in 1977. The breeders seed was planted under irrigation in 1974 and approximately 600 bushels of foundation seed were harvested in 1975. Approximately 1500 bushels of foundation seed were produced in 1976. Both

the 1975 and 1976 foundation seed production was distributed to Seed Growers in September of 1976 and the variety was named and released by the Colorado Variety Recommendation Committee on November 9, 1976.

Type and Frequency of Variants

Vona was exposed to pollen from a tall awnless genotype during the initial increase of breeders seed. Subsequently, foundation and registered seed had awnless tall variants in the ratio of 1:10,000 plants or less. A later breeders seed reproduction has been isolated from other genotypes and the awnless genotype removed as completely as possible so this variant should be greatly reduced or disappear completely in later seed multiplication.

Under an isolated reproductive system the variety has no other variants and is stable to the best of our knowledge with respect to genetic change caused by mutations or heterozygosity.

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EXHIBIT B

Vona produces seed which is small but has characteristically high test weight under a wide range of production conditions. The plant is dark green in the seedling stages and shows the effect of a dwarfing gene early in its growth stages when compared to standard height varieties. The mature plant is shorter in height compared with varieties such as Scout and Centurk although the height difference is reduced when grown under moisture stress. Vona has a stiff erect straw characteristic and is more resistant to lodging than varieties such as Scout and Centurk, especially under irrigation. Vona is approximately 8 cm shorter than its sister selection, Lindon, and has stiffer stronger straw. The flag leaf is erect and wide compared with the narrow drooping leaves of standard varieties. Vona retains its dark green color until the onset of maturity.

00004

FORM GR-470-6
(10-16-72)UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
GRAIN DIVISION
HYATTSVILLE, MARYLAND 20782EXHIBIT C
(Wheat)OBJECTIVE DESCRIPTION OF VARIETY
WHEAT (TRITICUM SPP.)

INSTRUCTIONS: See Reverse.

NAME OF APPLICANT(S)

FOR OFFICIAL USE ONLY

Colorado Agricultural Experiment Station

PVPO NUMBER 7700029

ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code)

c/o Dr. J. R. Welsh

VARIETY NAME OR TEMPORARY
DESIGNATION

Agronomy Department

Colorado State University

Fort Collins, CO 80523

Place the appropriate number that describes the varietal character of this variety in the boxes below.

Place a zero in first box (e.g., 089 or 09) when number is either 99 or less or 9 or less.

1. KIND:

1 1 = COMMON 2 = DURUM 3 = EMMER 4 = SPELT 5 = POLISH 6 = POULARD 7 = CLUB

2. TYPE:

2 1 = SPRING 2 = WINTER 3 = OTHER (Specify) 2 1 = SOFT 2 = HARD 3 = OTHER (Specify)2 1 = WHITE 2 = RED 3 = OTHER (Specify)

3. SEASON - NUMBER OF DAYS FROM EMERGENCE TO:

252 FIRST FLOWERING 258 LAST FLOWERING

4. MATURITY (50% Flowering):

2 NO. OF DAYS EARLIER THAN 2 1 = ARTHUR 2 = SCOUT 3 = CHRIS
 NO. OF DAYS LATER THAN Earlier than any winter choice. 4 = LEMHI 5 = NUGAINES 6 = LEEDS

5. PLANT HEIGHT (From soil level to top of head):

86 CM. HIGH
 CM. TALLER THAN 1 = ARTHUR 2 = SCOUT 3 = CHRIS
18 CM. SHORTER THAN 2 4 = LEMHI 5 = NUGAINES 6 = LEEDS

6. PLANT COLOR AT BOOTING (See reverse):

2 1 = YELLOW GREEN 2 = GREEN 3 = BLUE GREEN

7. ANTHUR COLOR:

1 1 = YELLOW 2 = PURPLE

8. STEM:

1 Anthocyanin: 1 = ABSENT 2 = PRESENT1 Waxy bloom: 1 = ABSENT 2 = PRESENT1 Hairiness of last internode of rachis: 1 = ABSENT 2 = PRESENT1 Internodes: 1 = HOLLOW 2 = SOLID5 NO. OF NODES (Originating from node above ground)23 CM. INTERNODE LENGTH BETWEEN FLAG LEAF AND LEAF BELOW

9. AURICLES:

1 Anthocyanin: 1 = ABSENT 2 = PRESENT1 Hairiness: 1 = ABSENT 2 = PRESENT

10. LEAF:

1 Flag leaf at booting stage: 1 = ERECT 2 = RECURVED 3 = OTHER (Specify):1 Flag leaf: 1 = NOT TWISTED 2 = TWISTED1 Hairs of first leaf sheath: 1 = ABSENT 2 = PRESENT1 Waxy bloom of flag leaf sheath: 1 = ABSENT 2 = PRESENT16 MM. LEAF WIDTH (First leaf below flag leaf)26 CM. LEAF LENGTH (First leaf below flag leaf):

00005

7700029 'Vona'

FORM GR-470-6 (REVERSE)

11. HEAD:

☐ 1 Density: 1 = LAX 2 = DENSE☐ 1 Shape: 1 = TAPERING 2 = STRAP 3 = CLAVATE
4 = OTHER (Specify) _____☐ 4 Awnedness: 1 = AWNLESS 2 = APICALLY AWNLETED 3 = AWNLETED 4 = AWNED☐ 1 Color at maturity: 1 = WHITE 2 = YELLOW 3 = PINK 4 = RED
5 = BROWN 6 = BLACK 7 = OTHER (Specify): _____☐ 7 CM. LENGTH ☐ 1 ☐ 0 MM. WIDTH

12. GLUMES AT MATURITY:

☐ 2 Length: 1 = SHORT (CA. 7 mm.) 2 = MEDIUM (CA. 8 mm.)
3 = LONG (CA. 9 mm.)☐ 2 Width: 1 = NARROW (CA. 3 mm.) 2 = MEDIUM (CA. 3.5 mm.)
3 = WIDE (CA. 4 mm.)☐ 2 Shoulder shape: 1 = WANTING 2 = OBLIQUE 3 = ROUNDED
4 = SQUARE 5 = ELEVATED 6 = APICULATE☐ 3 Beak: 1 = OBTUSE 2 = ACUTE 3 = ACUMINATE

13. COLEOPTILE COLOR:

☐ 1 1 = WHITE 2 = RED 3 = PURPLE

14. SEEDLING ANTHOCYANIN:

☐ 1 1 = ABSENT 2 = PRESENT

15. JUVENILE PLANT GROWTH HABIT:

☐ 2 1 = PROSTRATE 2 = SEMI-ERECT 3 = ERECT

16. SEED:

☐ 1 Shape: 1 = OVATE 2 = OVAL 3 = ELLIPTICAL☐ 1 Cheek: 1 = ROUNDED 2 = ANGULAR☐ 1 Brush: 1 = SHORT 2 = MEDIUM 3 = LONG☐ 1 Brush: 1 = NOT COLLARED 2 = COLLARED☐ 4 Phenol reaction (See instructions): 1 = IVORY 2 = FAWN 3 = LT. BROWN
4 = BROWN 5 = BLACK☐ 3 Color: 1 = WHITE 2 = AMBER 3 = RED 4 = PURPLE 5 = OTHER (Specify) _____☐ 6 MM. LENGTH ☐ 3 MM. WIDTH ☐ 3.5 GM. PER 100 SEEDS

17. SEED CREASE:

☐ 3 Width: 1 = 60% OR LESS OF KERNEL 'WINOKA'
2 = 80% OR LESS OF KERNEL 'CHRIS'
3 = NEARLY AS WIDE AS KERNEL 'LEMHI'☐ 1 Depth: 1 = 20% OR LESS OF KERNEL 'SCOUT'
2 = 35% OR LESS OF KERNEL 'CHRIS'
3 = 50% OR LESS OF KERNEL 'LEMHI'

18. DISEASE: (0 = Not Tested, 1 = Susceptible, 2 = Resistant)

☐ 2 STEM RUST 56, 15, (Races) 15B2, 151, ☐ 1 LEAF RUST (Races) _____☐ 0 STRIPE RUST (Races) _____ ☐ 0 LOOSE SMUT☐ 0 11-32-113, 17 POWDERY MILDEW ☐ 1 BUNT☐ OTHER (Specify) _____

19. INSECT: (0 = Not Tested, 1 = Susceptible, 2 = Resistant)

☐ 0 SAWFLY ☐ 0 APHID (Bydv.)☐ 0 GREEN BUG ☐ 0 CEREAL LEAF BEETLE☐ OTHER (Specify) _____ HESSIAN FLY
RACES: _____☐ GP ☐ A ☐ B ☐ C
☐ D ☐ E ☐ F ☐ G

20. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED:

CHARACTER	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
Plant tillering	Lindon	Seed size	Lindon
Leaf size	Lindon	Seed shape	Lindon
Leaf color	Lindon	Coleoptile elongation	Lindon
Leaf carriage	Lindon	Seedling pigmentation	Lindon

INSTRUCTIONS

GENERAL: The following publications may be used as a reference aid for the standardization of terms and procedures for completing this form:

- (a) L.W. Briggie and L. P. Reitz, 1963, Classification of Triticum Species and Wheat Varieties Grown in the United States, Technical Bulletin 1278, United States Department of Agriculture.
- (b) W.E. Walls, 1965, A Standardized Phenol Method for Testing Wheat Seeds for Varietal Purity, contribution No. 28 to the handbook of seed testing prepared by the Association of Official Seed Analysts. (See attachment.)

LEAF COLOR: Nickerson's or any recognized color fan should be used to determine the leaf color of the described variety.

00006

EXHIBIT D

The variety has been released on the performance data. It has a 10% yield advantage over standard varieties in comparative trials. It also has an excellent test weight. Data are presented to support the performance evaluation. The morphological novelty of Vona is associated both with the erect wide flag leaf, dark green plant color, and the semi-dwarf stature when compared with standard varieties such as Scout, Centurk, Trapper, and Wichita.

Lindon is the most similar variety. The main differences which result in the unique nature of Vona are straw length (plant height), straw strength, and heading date. Irrigated data which represent a four replication trial at Fort Collins in 1976 serve to demonstrate the average height of Vona and several varieties for comparison, including Lindon. Vona has a height of 41 inches, Lindon - 44, and Centurk - 49. These differences will vary somewhat, depending on environmental conditions. Lodging resistance is demonstrated in the irrigated data. Where Vona is erect at harvest, Lindon has lodged approximately 20° from vertical and Centurk has lodged 80°. This improvement in straw strength becomes an important feature in irrigated wheat production.

With heading date used as a measure of plant development the irrigated data show Vona to be one day earlier than Scout 66 and two days earlier than Lindon. It is approximately equivalent to Wichita for this character. One or two days difference in heading date is an important character under the production conditions of the Great Plains. This earliness of heading date has been observed under larger plantings by farmers. While Vona and Lindon are listed as having resistance to the same races of stem rust, Vona appears to have a slight improvement in total disease reaction by the end of the season. This difference is difficult to quantify but appears to be consistent from year to year. This may be partly a reflection of its earlier heading date.

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EXHIBIT D

Table 1. Yield and Agronomic Data Comparing Vona with other Varieties in Colorado for 1974-1976.

	Dryland Eastern Colorado 22 Station Years 1974, 1975, 1976		2 Sites '75 50% Hail	Whole Grain Protein 1976 (19 Locations)
	<u>Yield</u>	<u>T.W.</u>	<u>Yield</u>	<u>Percent</u>
Vona	37.4	60.1	24.3	13.2
Lindon	34.6	60.9	23.6	13.3
Centurk	34.9	59.4	18.8	13.7
Scout 66	34.1	59.9	17.8	13.2
Trapper	33.2	59.6	21.1	14.0
Wichita	29.6	60.7	12.8	12.7

IRRIGATED DATA

Fort Collins

1976

	<u>Yield Bu/A</u>	<u>Height In.</u>	<u>Stem Rust %</u>	<u>Head Date (from Jan 1)</u>	<u>Lodge^{1/}</u>
Vona	108.4	41	20	153	1
Lindon	96.5	44	40	155	2
Centurk	96.9	49	10	156	8
Scout 66	90.4	50	5	154	9
Trapper	74.0	50	1	160	9
Wichita	77.3	55	50	153	9

^{1/} 1 erect 9 flat.

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7700029

EXHIBIT E

The applicant is the true owner of this variety and is the employer of the breeder.

00009

Table 1. Chemical, Milling, and Baking Data for the Colorado Variety Test Composites of Hard Winter Wheat Varieties Harvested at Ten Locations in 1975. 1/

Variety	C.I. or Sel. No.	Wheat 2/			Flour 2/			Ab- sorp- tion %	Mixing Time 3/			Loaf Volume		
		Wt. Per Bu. lbs.	Ash %	Pro- tein %	Flour Yield %	Ash %	Pro- tein %		As Rec'd min.	Cor- rect- ed To min.	cc.	As Rec'd cc.	Crumb Grain Rec'd cc.	Cor- rect- ed To cc.
12.0% P														
11.0% P														
Wichita	11952	61.9	1.67	12.5	75.3	.45	11.8	60.8	2 3/8	2 3/8	Q-S	893	840	
Warrior	13190	61.1	1.58	11.5	74.1	.43	10.6	62.5	5	4 1/8	S	875	905	
Scout	13546	61.3	1.56	11.7	74.1	.43	10.8	63.7	4 3/8	3 3/4	S	833	847	
Lancer	13547	61.4	1.57	11.9	75.8	.45	10.7	63.0	4 1/2	3 3/4	S	868	890	
Scout 66	13996	61.3	1.51	12.1	74.5	.43	11.1	63.2	4 5/8	4 1/8	S	843	836	
Trapper	13999	61.0	1.57	11.9	75.2	.47	10.9	65.6	7 1/2	6 1/2	Q	905	913	
Eagle	15068	61.7	1.54	12.3	75.1	.45	11.5	66.3	7 3/8	7 1/8	Q	918	882	
Centurk	15075	61.2	1.50	11.7	73.2	.43	10.5	64.8	7 1/8	5 3/8	Q	850	886	
Tam 101	15324	61.5	1.65	12.9	73.2	.45	11.8	63.0	3 3/8	3 1/2	S	933	875	
Baca	15891	61.2	1.50	11.6	73.3	.40	10.6	65.4	5 3/8	4 5/8	S	845	873	
Hl Plains	17262	61.3	1.63	11.7	74.5	.47	10.7	63.4	5 3/8	4 1/2	S	904	927	
Buckskin	17263	60.9	1.49	12.0	71.4	.42	10.8	66.4	8 1/2	7 1/2	Q	908	924	
Sentinel	17265	60.3	1.59	12.3	73.1	.44	11.5	66.8	5 7/8	5 1/2	S	898	863	
Cloud	17276	61.2	1.52	11.7	75.1	.44	10.7	63.1	4 1/8	3 1/2	S	881	904	
Sage	17277	61.0	1.55	12.0	73.5	.41	11.0	63.8	5	4 3/8	S	857	857	

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Table 1. (cont.), page 2

Bread-baking Data													
		Wheat		Flour		Ab- sorp- tion %	Mixing Time		Loaf Volume				
C.I. or Sel. No.	Wt. Per Bu. lbs.	Ash %	Pro- tein %	Flour Yield %	Ash %		Pro- tein %	As Rec'd min.	Cor- rect- ed To min.	As Rec'd cc.	Cor- rect- ed To cc.	11.0% P	12.0% P
Variety													
Trison FN7173 Lancota	17278	62.0	1.56	12.7	75.1	.43	12.1	3½	-	943	865	S	
	17350	62.0	1.65	12.4	72.8	.42	11.2	6 ⅝	6 Q	895	880	S	
	17389	61.7	1.49	12.1	74.2	.40	11.3	4½	3 ⅞	940	917	S	
Vona CO725052 Lindon	61.9	61.9	1.49	10.8	74.2	.40	9.8	5 ⅝	4	838	928 5/	S	
	62.3	62.3	1.51	11.5	74.6	.38	10.3	5	4	888	942 5/	S	
	62.7	62.7	1.59	11.9	73.2	.37	11.0	5½	4 ⅝	910	910 5/	S	
CO725061 CO725082	62.5	62.5	1.49	10.5	72.7	.35	9.2	5 ⅝	3 ⅜	803	937 5/	S	
	62.5	62.5	1.54	10.9	73.4	.38	9.6	8 ⅓	5 ⅞ Q	800	899	S	

1/ Chemical data expressed on a 14% moisture basis.

2/ S, Q, and U - Satisfactory, questionable, and unsatisfactory quality with respect to property in question. A satisfactory rating is inferred in the absence of a designated one. One unsatisfactory rating, in general, characterizes a variety as undesirable for hard wheat milling and breadmaking purposes. Crumb colors were satisfactory for all entries.

3/ Mixing time used in baking is evaluated in conjunction with other mixing properties obtained from the 10-g. mixogram.

4/ Softer than average hard wheat milling properties but entirely satisfactory.

5/ Promising overall quality characteristics.

77-29

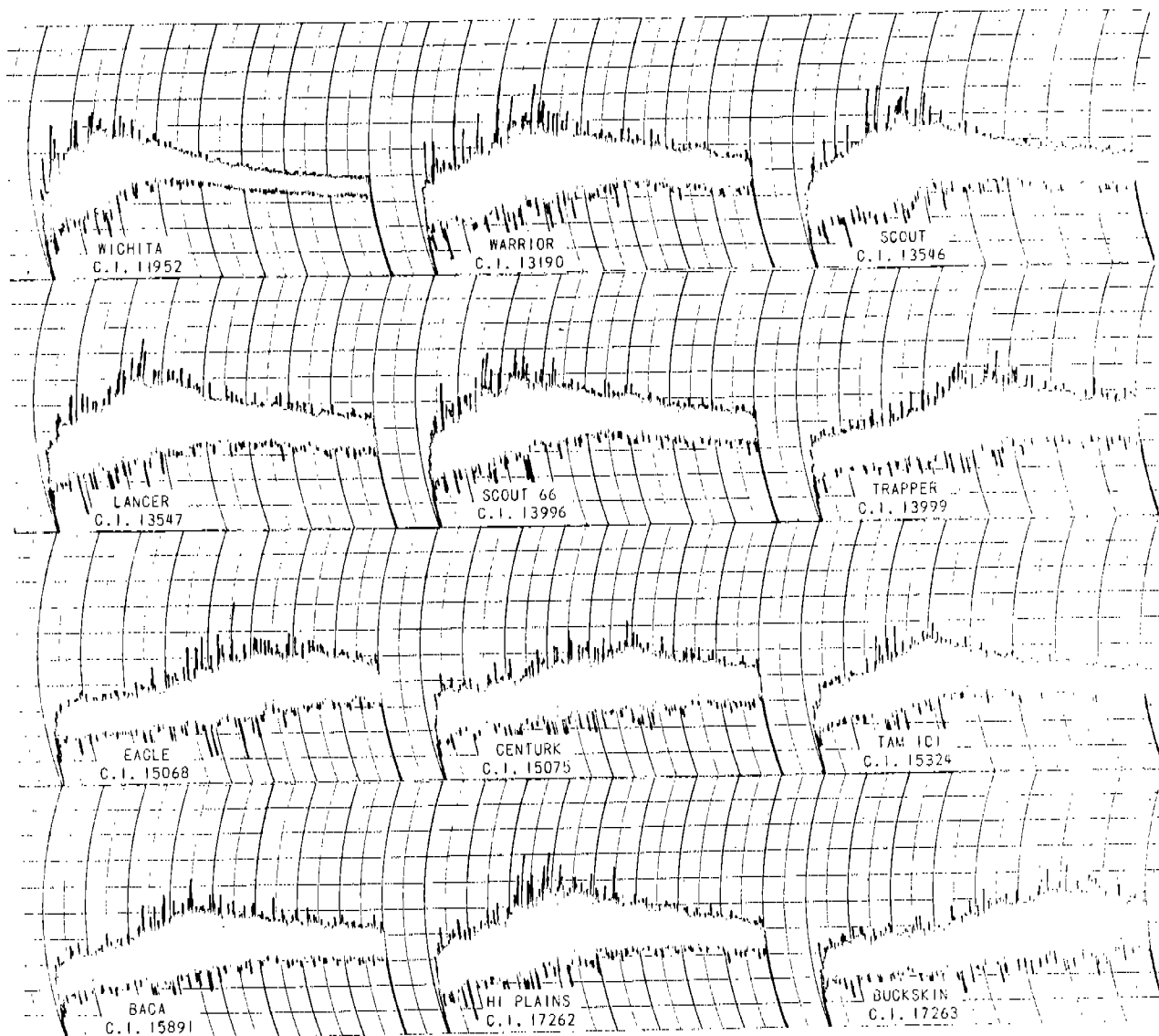


Fig. 1. Mixograms (10-g.) for the Colorado variety test composites of hard winter wheat varieties harvested at ten locations in 1975.

00012

77-29

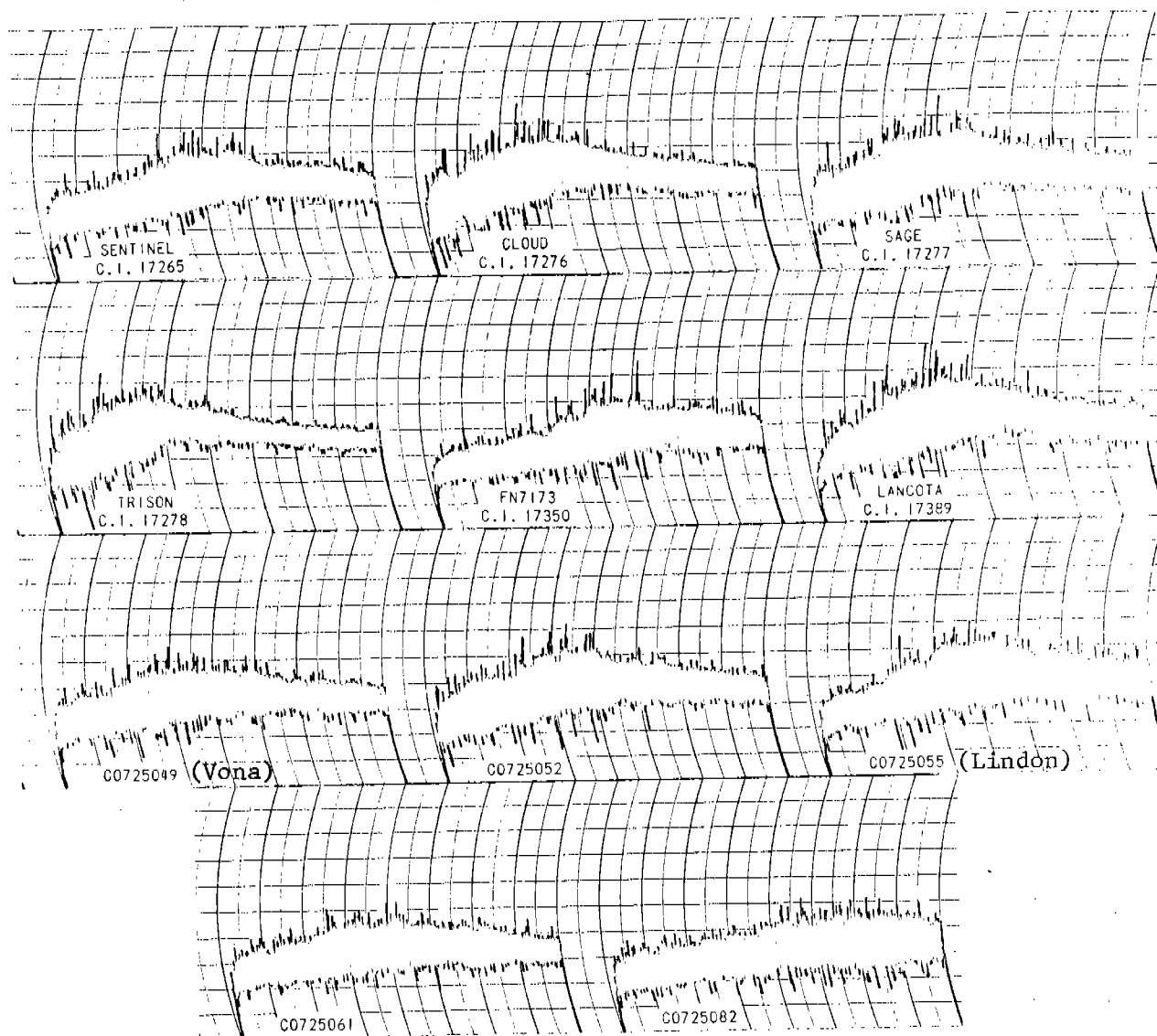


Fig. 2. Mixograms (10-g.) for the Colorado variety test composites of hard winter wheat varieties harvested at ten locations in 1975.

00013

31 JAN 1989
In reply refer to:
FSA 89-0114

Mr. Kenneth Failes
Route 2
Cherokee, Oklahoma 73728-9802

Gentlemen:

We have information that on or about September 26, 1988, you advertised, by variety name, uncertified seed of the Vona variety of wheat.

Vona is a variety protected under the Plant Variety Protection Act. The certificate of Plant Variety Protection for this variety indicates that the seed shall not be sold by variety name unless it is certified seed. Under Federal law, Title V of the Federal Seed Act, it is illegal to sell or offer for sale or advertise Vona by variety name unless the seed is certified.

This warning is issued under Section 412 of the Federal Seed Act which provides that in certain circumstances a suitable warning may be issued instead of other action.

In addition to complying with the Federal Seed Act, persons handling seed of any protected variety are urged to exercise care to avoid infringing rights granted under Section III of the Plant Variety Protection Act.

Sincerely,

Stephen J. Hurst
Seed Marketing Specialist
Seed Branch
Livestock and Seed Division

bcc: J. Sullivan (OK)
K. Evans (PVPO)✓